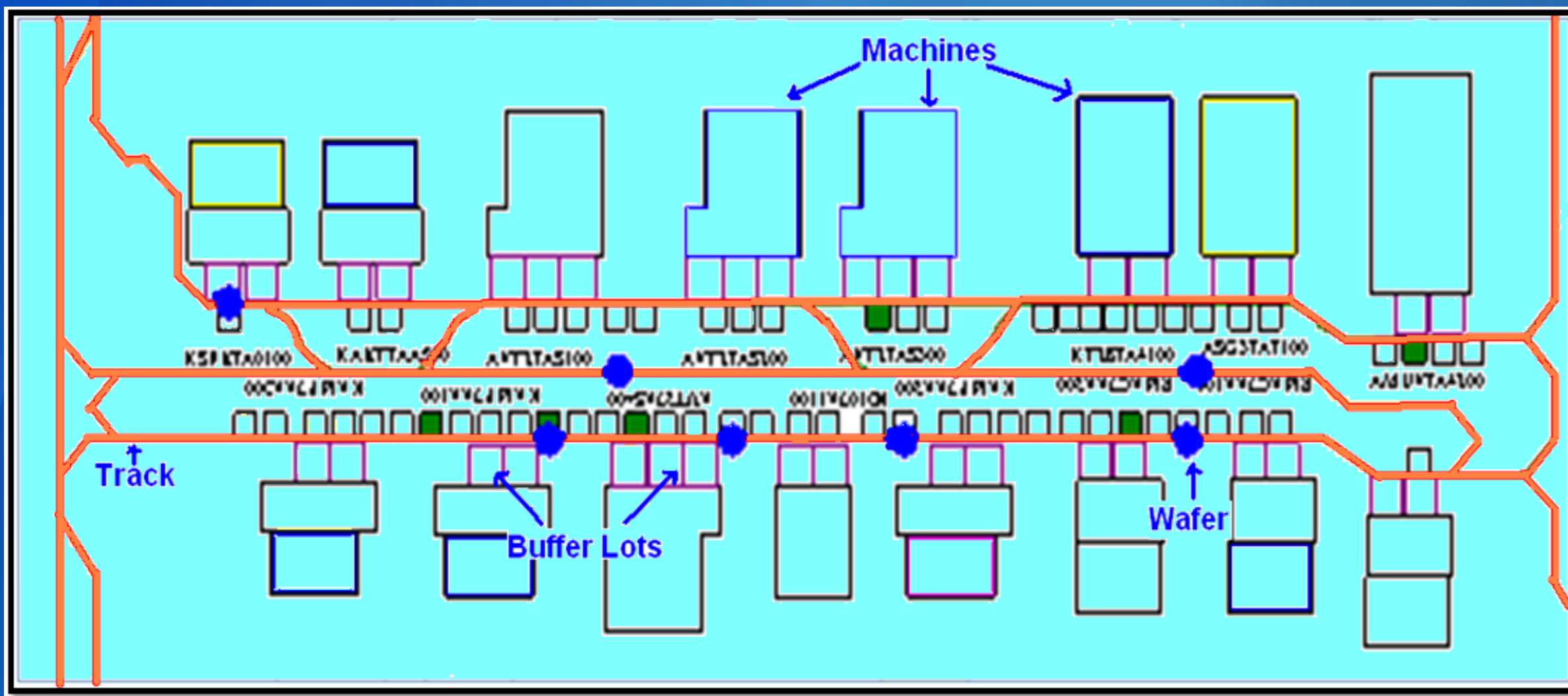


### 1. Project Description

Wafers are transported by Automatic Materials Handling System (AMHS) which requires route down (maintenance, etc) from time to time. Machines affected cannot get new inputs and will become idle after finishing all the wafers in buffer lots and thus suffer machine utilization loss.



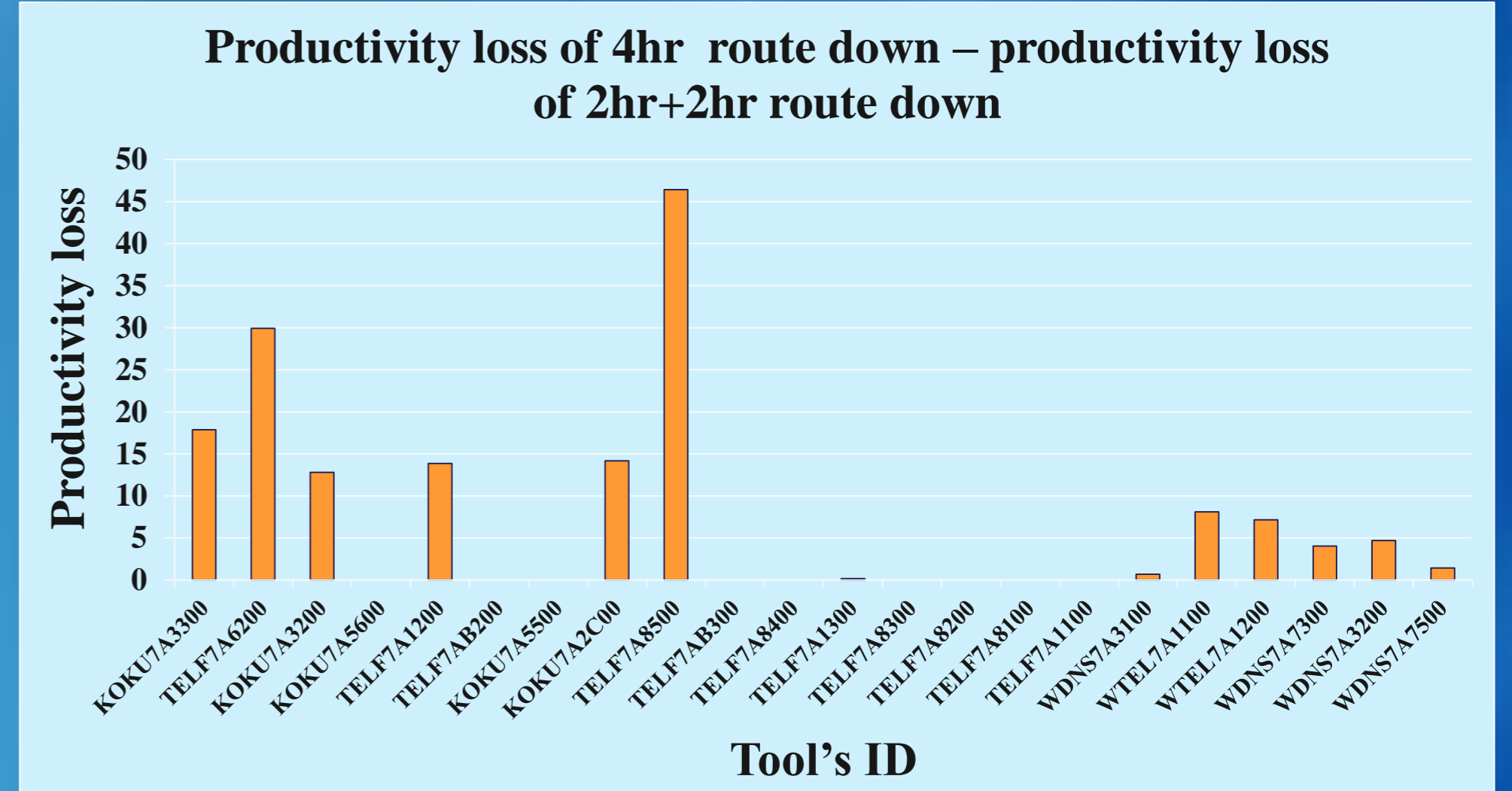
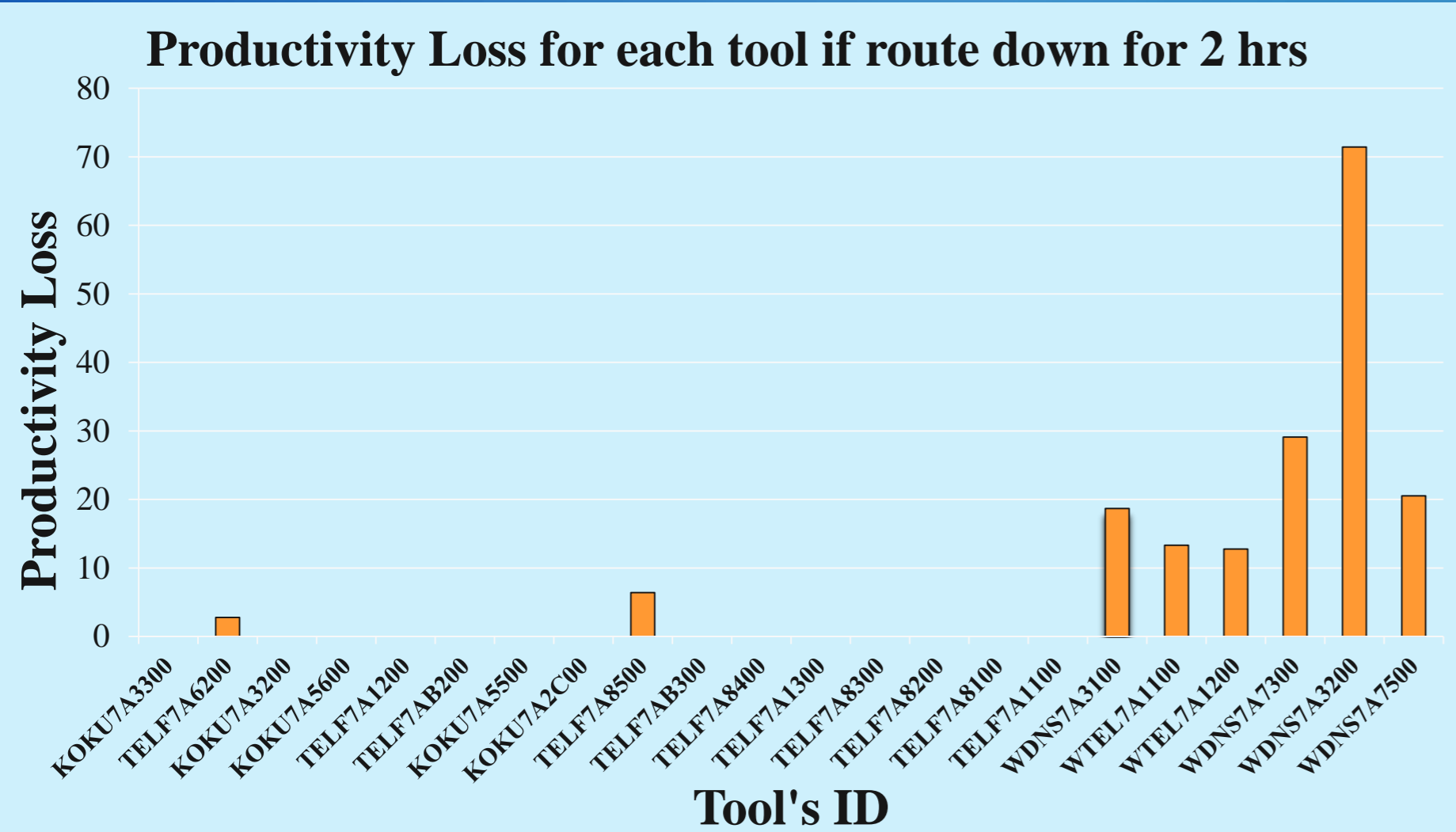
### 2. Project Objectives

- Evaluate the impact of route down.
- Determine threshold limit of route down.
- Propose an optimal route down schedule.

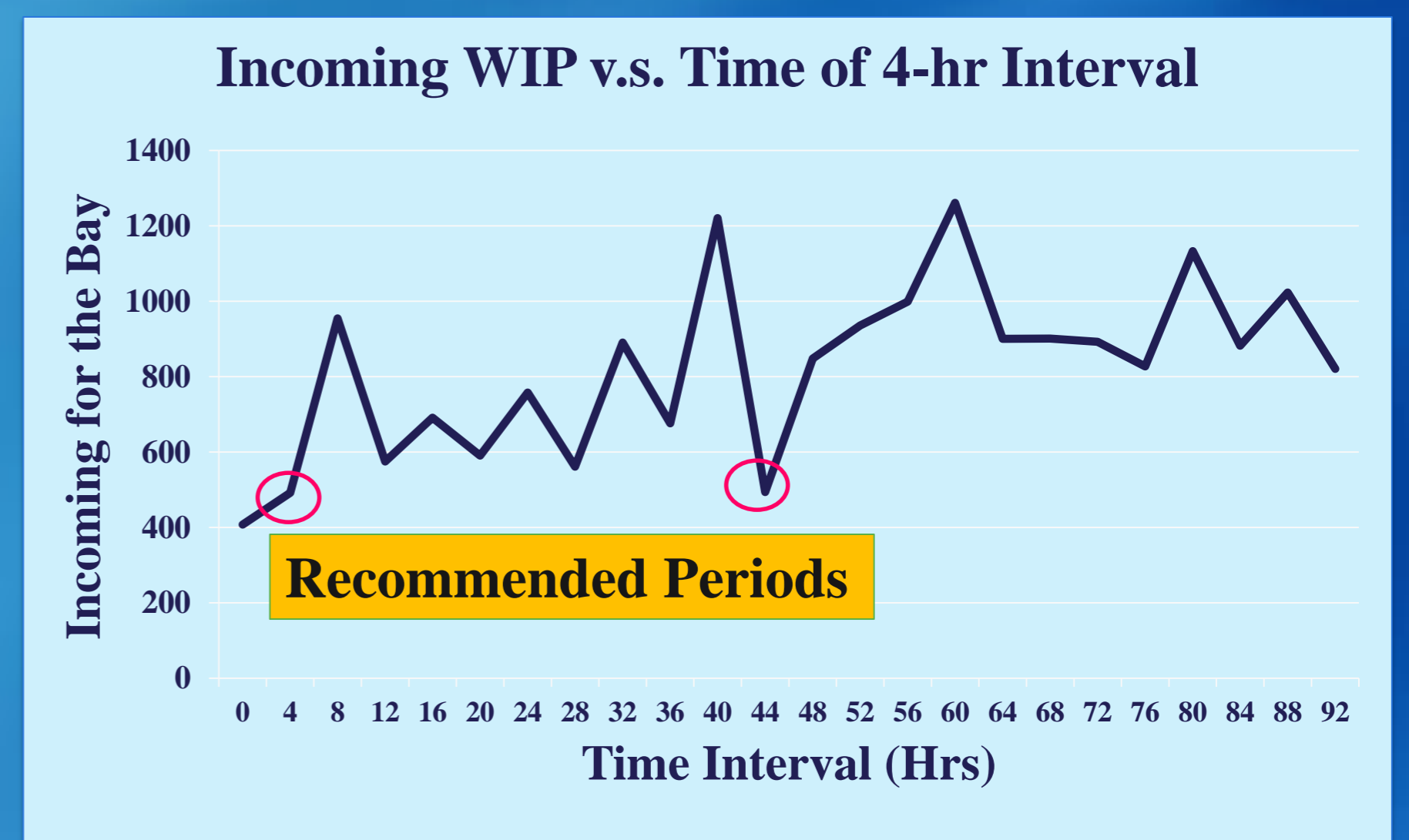
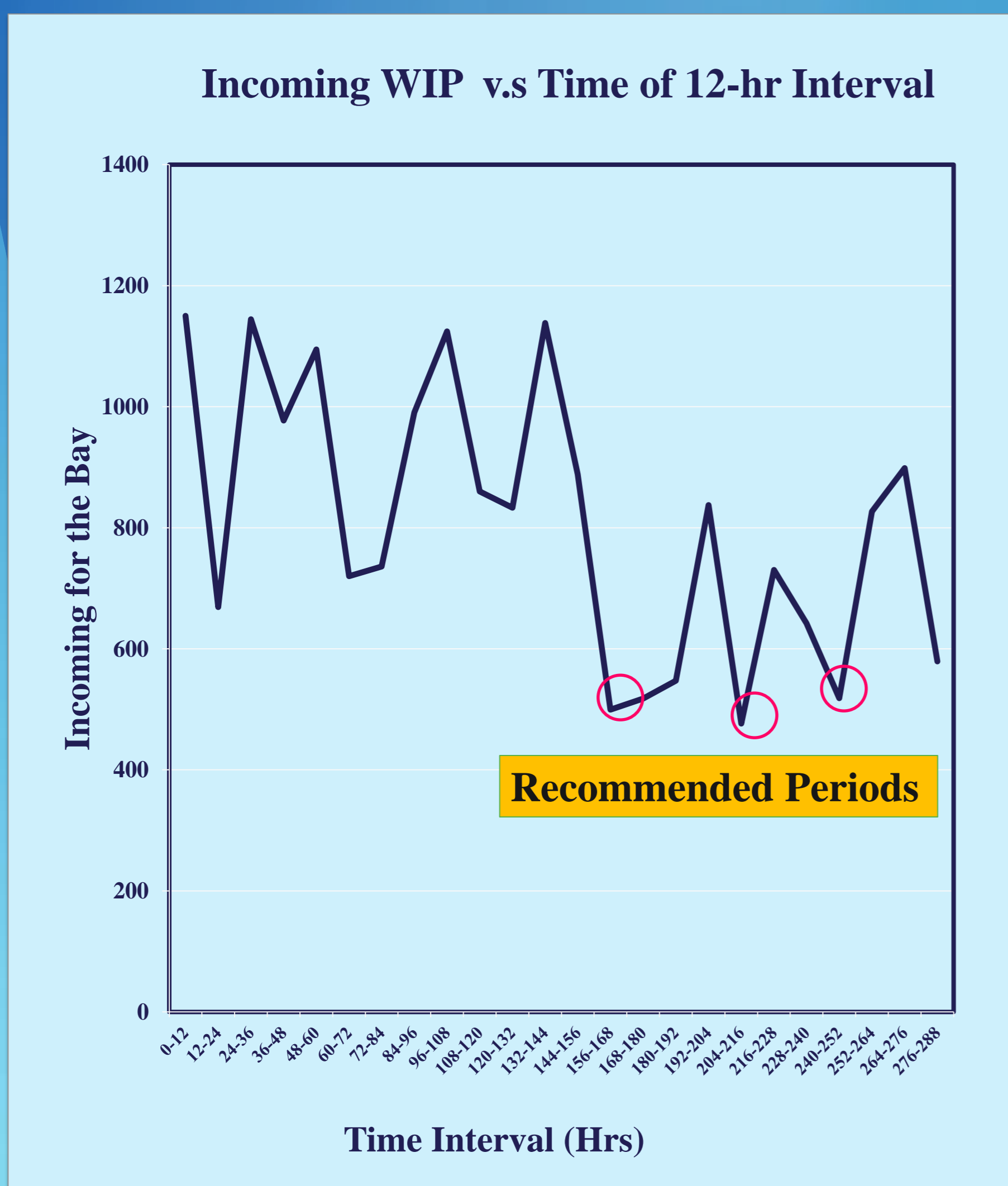
### 3. Methodology

- Use latest historical data to infer threshold limit.
- Use forecasted incoming WIP to dynamically recommend route down schedule.

### 4. Route Down Impact Evaluation



### 5. Route Down Schedule Analysis



1st Choice

Zoom In

2nd Choice

